

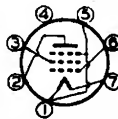


IL4

R-F AMPLIFIER PENTODE

MINIATURE TYPE

Filament	Coated	
Voltage	1.4	d-c volts
Current	0.05	amp.
Direct Interelectrode Capacitances: ^o		
Grid to Plate	0.008 max.	μuf
Input	3.6	μuf
Output	7.5	μuf
Maximum Overall Length		2-1/8"
Maximum Seated Height		1-7/8"
Maximum Diameter		3/4"
Bulb		T-5-1/2
Base ▲		Miniature Button 7-Pin
Pin 1- { Filament -, Internal Shield		Pin 5- { Filament -, Internal Shield
Pin 2-Plate		Pin 6-Grid
Pin 3-Screen		Pin 7-Filament +
Pin 4-No Connection		
RCA Socket		Stock No. 9914
Mounting Position		Any



BOTTOM VIEW (6AR)

*Maximum And Minimum Ratings Are Design-Center Values*AMPLIFIER

Plate Voltage		110 max. volts
Screen Voltage		90 max. volts
Screen Supply Voltage		110 max. volts
Grid Voltage		0 min. volts
Total Cathode Current		6.5 max. ma.
<i>Typical Operation and Characteristics - Class A₁ Amplifier</i>		
Plate Voltage	90	90 volts
Screen Voltage	67.5	90 volts
Grid Voltage	0	0 volts
Plate Resistance	0.6	0.35 megohm
Transconductance	925	1025 μmhos
Grid Bias for		
Plate Current = 10 μamp.	-6	-8 volts
Plate Current	2.9	4.5 ma.
Screen Current	1.2	2.0 ma.

o With no external shield.

▲ The center hole in sockets designed for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the socket hole.

June 1, 1942

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

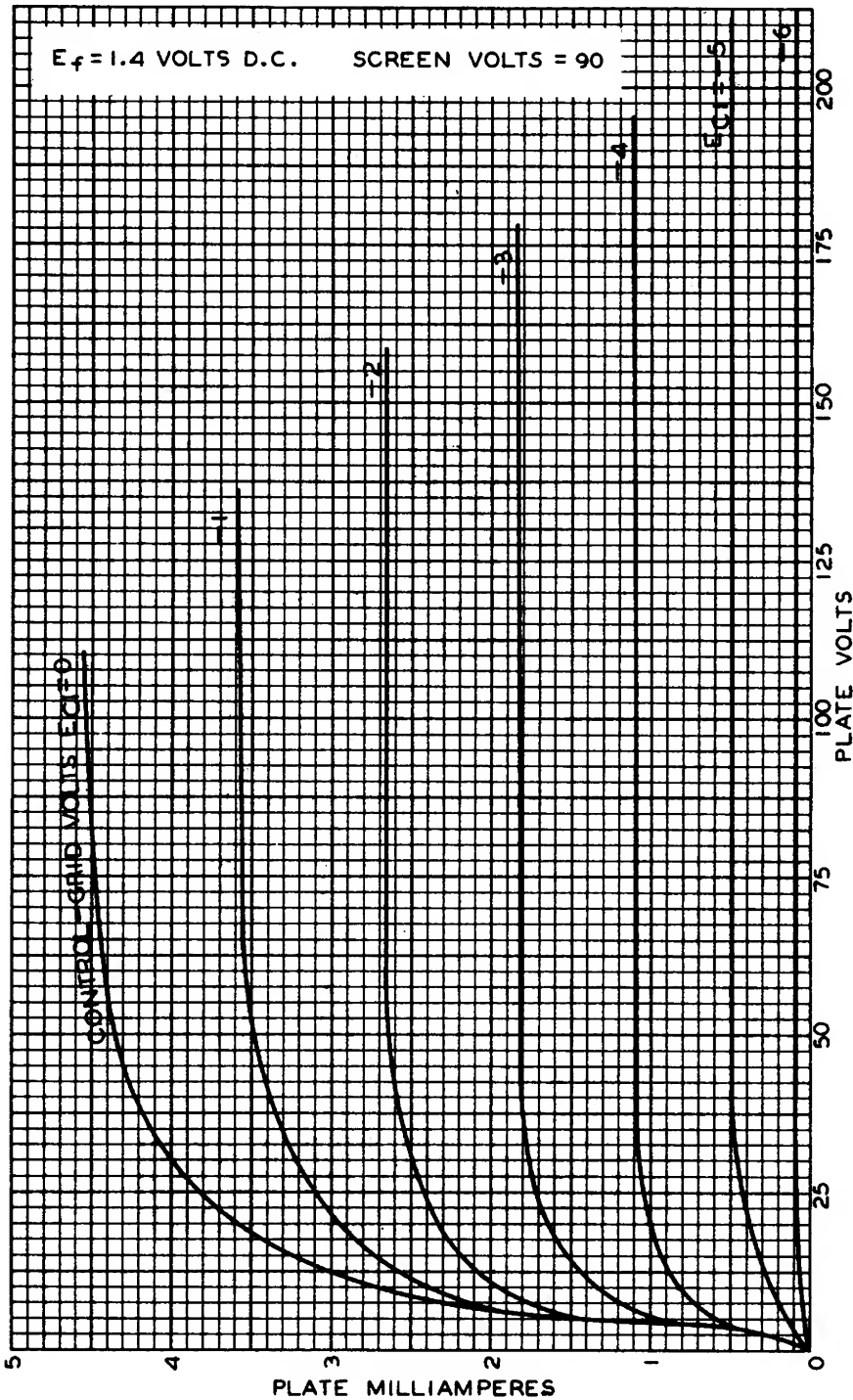
TENTATIVE DATA

IL4



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AVERAGE PLATE CHARACTERISTICS



MARCH 18, 1942

RCA RADIIOTRON DIVISION
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92C-6382